

GenCore version 5.1.6
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Run on : December 20, 2004, 14:44:03 ; Search time 17.2857 Seconds
OM protein - protein search, using SW model
(without alignments)
84,405 Million cell updates/sec

Title: US-10-797-748-4
Perfect score: 147
Sequence: 1 MDCCDGTCAPDCCKCAKDKC 222

Scoring table: BLOSUM62
Searched: 478139 seqs., 66318000 residues
Total number of hits satisfying chosen parameters: 478139
Minimum DB seq length: 0
Maximum DB seq length: 200000000
Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing first 45 summaries

```

Database : Database

Issue# Relation#:
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2: /cgnz2_6/ptcdat1/1/aas/5B.COMB.pep:*
3: /cgnz_6/ptcdat1/1/aas/6a.COMB.pep:*
4: /cgnz_6/ptcdat1/1/aas/6B.COMB.pep:*
5: /cgnz_6/ptcdat1/1/aas/PCUTS.COMB.pep:*
6: /cgnz_6/ptcdat1/1/aas/backfiles1.pep:*

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score greater than or equal to the score of the result being printed and is derived by analysis of the total score distribution.

SUMMARIES

No.	Score	Match Length	DB	ID	Description
1	147	100.0	22	4	US-09-918-495A-4
2	147	100.0	48	4	US-09-918-495A-2
3	73.5	50.0	61	4	US-09-919-039-31
4	73.5	50.0	254	2	US-08-967-026-7
5	73.5	50.0	254	4	US-09-319-275A-7
6	70.5	48.0	61	2	US-08-785-53-5
7	70.5	48.0	61	2	US-09-123-850-5
8	70	47.6	61	2	US-08-785-53-4
9	70	47.6	61	2	US-08-785-53-6
10	70	47.6	61	2	US-09-850-4
11	70	47.6	61	2	US-09-123-850-6

RESULT 1

ALIGNMENT

Sequence	5,	Appli
Sequence	1,	Appli
Sequence	2,	Appli
Sequence	212,	App
Sequence	12,	Appli
Sequence	3,	Appli
Sequence	3,	Appli
Sequence	395,	Appli
Sequence	3,	Appli
Sequence	30,	Appli
Sequence	13,	Appli
Sequence	245,	Appli
Sequence	47,	Appli
Sequence	47,	Appli
Sequence	33606,	A
Sequence	37,	Appli
Sequence	37,	Appli
Sequence	7,	Appli
Sequence	5,	Appli
Sequence	5,	Appli
Sequence	3,	Appli
Sequence	41,	Appli
Sequence	41,	Appli
Sequence	41,	Appli

Query Match 100.0%; Score 147; DB 4; Length 22;
Best Local Similarity 100.0%; Pred. No. 1.2e-08;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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GenCore version 5.1.6

Qy 1 MDCKKGCGTCAPCKCAOCKC 22
Db 1 MDCKKGCGTCAPCKCAOCKC 22

OM protein - protein search, using sw model

Run on: December 20, 2004, 14:52:40 ; Search time 62.8571 Seconds
(without alignments)
125.242 Million cell updates/sec

RESULT 2

US-09-948-495A-2

; Sequence 2, Application US/09948495A

; Patent No. 6750056

; GENERAL INFORMATION:

; APPLICANT: Acey, Roger A.

; TITLE OF INVENTION: Metal Binding Proteins and Associated Methods

; FILE REFERENCE: 21089-11

; CURRENT APPLICATION NUMBER: US/09/948,495A

; CURRENT FILING DATE: 2001-09-06

; NUMBER OF SEQ ID NOs: 10

; SOFTWARE: FASTSEQ FOR Windows Version 3.0

; SEQ ID NO 2

; LENGTH: 48

; TYPE: PR

; ORGANISM: Artemia

; US-09-948-495A-2

Query Match 100.0%; Score 147; DB 4; Length 48;
Best Local Similarity 100.0%; Pred. No. 2.1e-08;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDCKKGCGTCAPCKCAOCKC 22
Db 1 MDCKKGCGTCAPCKCAOCKC 22

Search completed: December 20, 2004, 14:54:17

Job time : 18.2857 secs

Title: US-10-737-748-4

Perfect score: 147

Sequence: 1 MDCKKGCGTCAPCKCAOCKC 22

Scoring table: BLOSUM62

Gappen 10.0 , Gapext 0.5

Searched: 1589859 seqs, 357834939 residues

Total number of hits satisfying chosen parameters: 1589859

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match Length	DB ID	Description
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3	86	64	17	US-10-425-115-244601
4	50.3	2837	14	US-10-122-155-229
5	74	50.3	2837	14
6	74	50.3	2837	14
7	74	50.3	2837	14
8	74	50.3	2837	14
9	74	50.3	2837	14
10	74	50.3	2837	14
11	74	50.3	2837	14
12	74	50.3	2837	14
13	74	50.3	2837	14
14	74	50.3	2837	14
15	74	50.3	2837	14
16	74	50.3	2837	14
17	74	50.3	3089	14
18	74	50.3	3089	14
19	73.5	50.0	61	US-10-184-634-61
20	73.5	50.0	61	US-10-170-385-235
21	73.5	50.0	61	US-10-425-115-16037
22	73.5	50.0	85	US-09-25-301-1615
23	73.5	50.0	254	US-10-260-960-7
24	73.5	50.0	254	US-10-260-562-7
25	73	49.7	1210	US-10-123-155-311
26	73	49.7	1210	US-10-140-756-311
27	73	49.7	1210	US-10-146-731-311
28	73	49.7	1210	US-10-140-731-311
29	73	49.7	1210	US-10-141-761-311
30	73	49.7	1210	US-10-142-885-311
31	73	49.7	1210	US-10-158-790-311
32	73	49.7	1210	US-10-137-871-311
33	73	49.7	1210	US-10-140-923-311
34	73	49.7	1210	US-10-141-759-311
35	73	49.7	1210	US-10-140-805-311
36	73	49.7	1210	US-10-142-884-311
37	73	49.7	1210	US-10-140-864-311
38	73	49.7	1210	US-10-142-426-311
39	73	49.7	1210	US-10-123-357
40	73	49.7	1685	US-10-146-731-317
41	73	49.7	1685	US-10-146-472-317
42	73	49.7	1685	US-10-141-761-317
43	73	49.7	1685	US-10-142-885-317
44	73	49.7	1685	US-10-158-790-317
45	73	49.7	1685	US-10-137-871-317

ALIGMENTS

RESULT 1

US-09-948-495A-4
; Sequence 4 Application US/09948495A
; Publication No. US20030105304A1

GENERAL INFORMATION:
; APPLICANT: Acy, Roger A.
; TITLE OF INVENTION: Metal Binding Proteins and Associated
; FILE REFERENCE: 21089-11

CURRENT APPLICATION NUMBER: US/09/948,495A
; CURRENT FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 10

SEQ ID NO: 4
; SEQ ID NO 4 FastSEQ for Windows Version 3.0
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artemia
; US-09-948-495A-4

RESULT 2

US-09-948-495A-2
; Sequence 2, Application US/09948495A
; Publication No. US20030105304A1

GENERAL INFORMATION:
; APPLICANT: Acy, Roger A.
; TITLE OF INVENTION: Metal Binding Proteins and Associated
; FILE REFERENCE: 21089-11

CURRENT APPLICATION NUMBER: US/09/948,495A
; CURRENT FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 10

SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 48

TYPE: PRT
; ORGANISM: Artemia
; US-09-948-495A-2

Query Match Score 100.0%; Score 147; DB 10; Length 48;
; Best Local Similarity 100.0%; Pred. No. 2-4e-09;
; Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDCCKGCGTCAPCKGCAKOCKC 22
Db 1 MDCCKGCGTCAPCKGCAKOCKC 22

Search completed: December 20, 2004, 15:09:30
Job time : 63.8571 secs

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OM protein - protein search, using sw model

Run on: December 20, 2004, 14:46:34 ; Search time 207.743 Seconds
(without alignments)
117.337 Million cell updates/sec

Title: US-10-797-748-4
perfect score: 147
Sequence: 1 MDCKDGCTAPDCIKAKICKC 22

Scoring table: BLOSUM62
Gapopen 10.0 , Gapext 0.5

Searched: 6730630 seqs, 1107998608 residues

Total number of hits satisfying chosen parameters: 6730630

Minimum DB seq length: 0
Maximum DB seq length: 0

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing First 45 summaries

Database : Pending Patents AA Main:*

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- 2: /cgn2_6/ptodata/1/paa/US05_COMBO.pep:*
- 3: /cgn2_6/ptodata/1/paa/US07_COMBO.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	147	100.0	48	33 US-10-797-748-2	Sequence 2, Appl
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4	86	58.5	64	30 US-10-425-115-284601	Sequence 264601,
5	81	55.1	64	26 US-09-791-537-138568	Sequence 138568, A
6	77	52.4	69	26 US-09-030-019A-258	Sequence 258, A
7	76.5	52.0	67	1 PCT-US01-0909A-3060	Sequence 3060, A
8	76.5	52.0	67	28 US-10-258-B899A-3060	Sequence 3060, A
9	76.5	52.0	67	28 US-10-293-244-1060	Sequence 244, A
10	75	51.0	61	22 US-09-791-537-137656	Sequence 137656,
11	74.5	50.7	61	22 US-09-791-537-137563	Sequence 137563,
12	74	50.3	61	22 US-09-791-537-137731	Sequence 137731,
13	74	50.3	67	22 US-09-791-537-138315	Sequence 138315,
14	74	50.3	1606	36 US-60-592-191-242	Sequence 242, A
15	74	50.3	2837	27 US-10-137-871-229	Sequence 229, A
16	74	50.3	2837	27 US-10-158-70-229	Sequence 228, A
17	74	50.3	3089	27 US-10-176-912-61	Sequence 61, Appl
18	74	50.3	3089	27 US-10-184-634-61	Sequence 61, Appl
19	74	50.3	3089	27 US-10-184-634-61	Sequence 61, Appl
20	74	50.3	3089	27 US-10-184-634-61	Sequence 61, Appl
21	73.5	50.3	61	1 PCT-US01-04098A-1092	Sequence 1092, A
22	73.5	50.0	61	22 US-09-791-537-137527	Sequence 137527,
23	73.5	50.0	61	22 US-09-791-537-137711	Sequence 137711,
24	73.5	50.0	61	22 US-09-791-537-137780	Sequence 137780,
25	73.5	50.0	61	22 US-09-791-537-137781	Sequence 137781,
26	73.5	50.0	61	23 US-09-834-366-20795	Sequence 20795, A
27	73.5	50.0	61	23 US-09-834-366-20797	Sequence 20797, A
28	73.5	50.0	61	23 US-09-84-366-20798	Sequence 20798, A
29	73.5	50.0	61	23 US-09-834-366-20801	Sequence 20801, A
30	73.5	50.0	61	23 US-09-834-366-20805	Sequence 20805, A
31	73.5	50.0	61	23 US-09-834-366-23707	Sequence 23707, A
32	73.5	50.0	61	23 US-09-834-366-24164	Sequence 24164, A
33	73.5	50.0	61	23 US-09-834-366-24536	Sequence 24536, A
34	73.5	50.0	61	27 US-10-170-205E-16935	Sequence 16935, A
35	73.5	50.0	61	27 US-10-170-205E-16935	Sequence 16935, A
36	73.5	50.0	61	27 US-10-170-205E-29424	Sequence 29424, A
37	73.5	50.0	61	28 US-10-258-B89A-1092	Sequence 1092, A
38	73.5	50.0	61	28 US-10-293-244-1092	Sequence 1092, A

US-10-797-748-2

39 73.5 50.0 61 30 US-10-425-115-196037 Sequence 196037,
40 73.5 50.0 61 31 US-10-505-928-668 Sequence 668, App
41 73.5 50.0 61 33 US-10-743-643-11 Sequence 11, Appl
42 73.5 50.0 61 36 US-60-197-73-20795 Sequence 20795, A
43 73.5 50.0 61 36 US-60-197-873-20797 Sequence 20797, A
44 73.5 50.0 61 36 US-60-197-873-20798 Sequence 20798, A
45 73.5 50.0 61 36 US-60-197-873-20801 Sequence 20801, A

ALIGNMENTS

Search completed: December 20, 2004, 15:05:24
Job time : 208.743 secs

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Best Local Similarity 100.0%; Pred. No. 3.7e-08;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 MDCKKDGCTCAPDCKCAKDKC 22
Db 1 MDCKDGCTCAPDCKCAKDKC 22

RESULT 1

US-10-797-748-4

; Sequence 4, Application US/10797748
; GENERAL INFORMATION:
; APPLICANT: Acey, Roger A.
; TITLE OF INVENTION: Metal Binding Proteins and Associated Methods
; FILE REFERENCE: 5102-00002
; CURRENT APPLICATION NUMBER: US/10/797,748
; CURRENT FILING DATE: 2004-03-09
; PRIORITY NUMBER: 09/948,495
; PRIORITY FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 4
; LENGTH: 22
; TYPE: PRT
; ORGANISM: Artemia sp.

US-10-797-748-4

Query Match 100.0%; Score 147; DB 33; Length 22;
Best Local Similarity 100.0%; Pred. No. 2e-08;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MDCKKDGCTCAPDCKCAKDKC 22
Db 1 MDCKDGCTCAPDCKCAKDKC 22

RESULT 2

US-10-797-748-2

; Sequence 2, Application US/10797748
; GENERAL INFORMATION:
; APPLICANT: Acey, Roger A.
; TITLE OF INVENTION: Metal Binding Proteins and Associated Methods
; FILE REFERENCE: 5102-00002
; CURRENT APPLICATION NUMBER: US/10/797,748
; CURRENT FILING DATE: 2004-03-09
; PRIORITY NUMBER: 09/948,495
; PRIORITY FILING DATE: 2001-09-06
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 2
; LENGTH: 48
; TYPE: PRT
; ORGANISM: Artemia sp.

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OM protein - protein search, using sw model
 Run on: December 20, 2004, 14:49:24 ; Search time 10.0571 Seconds
 (without alignments)
 99.072 Million cell updates/sec

Title: US-10-977-748-4
Perfect score: 147
Sequence: 1 MDQCKNGCTCAPDCKCAKDCKC 22

Scoring table: BLOSUM62
GapOp 10.0 , Gapext 0.5

Searched: 169693 seqs, 45290116 residues

Total number of hits satisfying chosen parameters: 169693

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
 Maximum Match 100%
 Listing First 45 summaries

Database :

Pending Patents AA New:
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 3: /cgn2_6/prodata1/pat/US07_NEW_COMBO.pep;+
 4: /cgn2_6/prodata1/pat/US08_NEW_COMBO.pep;+
 5: /cgn2_6/prodata1/pat/US09_NEW_COMBO.pep;+
 6: /cgn2_6/prodata1/pat/US10_NEW_COMBO.pep;+
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	DB ID	Description
1	69.5	47.3	61 1 PCT-US04-36404-184	Sequence 184, App
2	69.5	47.3	62 6 US-10-475-075-254	Sequence 254, App
3	69.5	47.3	78 6 US-10-475-075-265	Sequence 265, App
4	69	46.9	251 6 US-10-732-922-14194	Sequence 14194, App
5	68.5	46.6	61 1 PCT-US04-36404-181	Sequence 181, App
6	68.5	46.6	61 6 US-10-972-024-161	Sequence 161, App
7	68.5	46.6	69 6 US-10-220-3664-27761	Sequence 27761, App
8	68.5	46.6	90 6 US-10-972-024-453	Sequence 453, App
9	65	44.2	35823 6 US-10-874-049-1	Sequence 1, ApplI

Sequence 834, App
 Sequence 183, App
 Sequence 186, App
 Sequence 211, App
 Sequence 21405, App
 Sequence 2, ApplI
 Sequence 64, ApplI
 Sequence 41, ApplI
 Sequence 219, App
 Sequence 219, App
 Sequence 219, App
 Sequence 16, App
 Sequence 1602, App
 Sequence 4, ApplI
 Sequence 4, ApplI
 Sequence 3, ApplI
 Sequence 116, App
 Sequence 118, App
 Sequence 120, App
 Sequence 122, App
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 Sequence 6, ApplI

Search completed: December 20, 2004, 15:06:02
 Job time : 10.0571 secs

Query Match 100.0%; Score 320; DB 4; Length 48;
Best Local Similarity 100.0%; Pred. No. 9.1e-20;
Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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GenCore version 5.1.6

Qy 1 MDCKKDGCTCAPDKCAKDC. KSPDECKCEKDSCDSCGCH 48
Db 1 MDCKKDGCTCAPDKCAKDC. KSPDECKCEKDSCDSCGCH 48

RESULT 2

US-09-948-495A-4

; Sequence 4, Application US/09948495A

; Patent No. 6750056

; GENERAL INFORMATION:

; APPLICANT: ACAY, Roger A.

; TITLE OF INVENTION: Metal Binding Proteins and Associated

; TITLE OF INVENTION: Methods

; FILE REFERENCE: 21089-11

; CURRENT APPLICATION NUMBER: US/09/948,495A

; CURRENT FILING DATE: 2001-09-06

; NUMBER OF SEQ ID NOS: 10

; SOFTWARE: FastSEQ for Windows Version 3.0

; SEQ ID NO 4

; LENGTH: 22

; TYPE: PRY

; ORGANISM: Artemia

; US-09-948-495A-4

Query Match 45.9%; Score 147; DB 4; Length 22;

Best Local Similarity 100.0%; Pred. 4.1e-06; Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MDCKKDGCTCAPDKCAKDC. KSPDECKCEKDSCDSCGCH 48

Db 1 MDCKKDGCTCAPDKCAKDC. KSPDECKCEKDSCDSCGCH 48

Search completed: December 20, 2004, 14:52:40 ; Search time 137.43 Seconds
(without alignments)
125.242 Million cell updates/sec

OM protein - protein search, using sw model
Run on: December 20, 2004, 14:52:40 ; Search time 137.43 Seconds
(without alignments)
125.242 Million cell updates/sec

Title: US-10-797-748-2

Perfect score: 320

Sequence: 1 MDCKKDGCTCAPDKCAKDC. KSPDECKCEKDSCDSCGCH 48

Scoring table: BLOSUM62

Gapped 10.0 , Gapext 0.5

Searched: 1589859 seqs, 357834939 residues

Total number of hits satisfying chosen parameters: 1589859

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

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20: /cgpn2_6/prodata/1/pupbaa/US60_PUBCOMB.pep:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

Result No.	Score	Query Match	Length	DB	ID	Description
1	320	100.0	48	10	US-09-948-495A-2	; GENERAL INFORMATION: ; APPLICANT: Acey, Roger A. ; TITLE OF INVENTION: Metal Binding Proteins and Associated ; FILE REFERENCE: 21099-11
2	147	45.9	22	10	US-09-948-495A-4	; CURRENT APPLICATION NUMBER: US/09/948,495A
3	125	39.1	4185	14	US-10-123-155-67	; CURRENT FILING DATE: 2001-09-06
4	125	39.1	4185	14	US-10-46-331-67	; NUMBER OF SEQ ID NOS: 10
5	125	39.1	4185	14	US-10-40-172-67	; SOFTWARE: FastSEQ for Windows Version 3.0
6	125	39.1	4185	14	US-10-141-761-67	; SEQ ID NO 2
7	125	39.1	4185	14	US-10-42-885-67	; LENGTH: 48
8	125	39.1	4185	14	US-10-158-990-67	; TYPE: PRT
9	125	39.1	4185	14	US-10-137-871-67	; ORGANISM: Artemia
10	125	39.1	4185	14	US-10-40-523-67	US-09-948-495A-2
11	125	39.1	4185	14	US-10-41-756-67	Query Match
12	125	39.1	4185	14	US-10-41-759-67	Best Local Similarity
13	125	39.1	4185	14	US-10-40-805-67	100.0%; Score 320; DB 10; Length 48;
14	125	39.1	4185	14	US-10-40-864-67	Matched Sequences: 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
15	125	39.1	4185	15	US-10-42-626-67	QY
16	119.5	37.3	1523	14	US-10-123-155-429	1 MDCKDGCTCAPPDKGAKDCKOCKGCECKSDECKKEKOCSCSDCCH 48
17	119.5	37.3	1523	14	US-10-46-731-429	Db
18	119.5	37.3	1523	14	US-10-40-472-429	1 MDCKDGCTCAPPDKGAKDCKOCKGCECKSDECKKEKOCSCSDCCH 48
19	119.5	37.3	1523	14	US-10-141-761-429	Sequence 429, App
20	119.5	37.3	1523	14	US-10-42-885-429	Sequence 429, App
21	119.5	37.3	1523	14	US-10-158-799-429	Sequence 429, App
22	119.5	37.3	1523	14	US-10-137-871-429	Sequence 429, App
23	119.5	37.3	1523	14	US-10-40-923-429	US-09-948-495A-4
24	119.5	37.3	1523	14	US-10-41-756-429	; Sequence 445, Application US/09948495A
25	119.5	37.3	1523	14	US-10-141-759-429	; Publication No. US20030105304A1
26	119.5	37.3	1523	14	US-10-40-805-429	; GENERAL INFORMATION:
27	119.5	37.3	1523	14	US-10-40-864-429	; APPLICANT: Acey, Roger A.
28	119.5	37.3	1523	15	US-10-142-426-429	; TITLE OF INVENTION: Metal Binding Proteins and Associated
29	119	37.2	371	16	US-10-337-963-146358	; Sequence 44538, Application 146358
30	118	36.9	2276	14	US-10-123-155-9	; FILE REFERENCE: 21089-11
31	118	36.9	2276	14	US-10-46-731-9	; CURRENT APPLICATION NUMBER: US/09/948,495A
32	118	36.9	2276	14	US-10-140-472-9	; CURRENT FILING DATE: 2001-09-06
33	118	36.9	2276	14	US-10-141-761-9	; NUMBER OF SEQ ID NOS: 10
34	118	36.9	2276	14	US-10-142-885-9	; SOFTWARE: FastSEQ for Windows Version 3.0
35	118	36.9	2276	14	US-10-158-799-9	; SEQ ID NO 4
36	118	36.9	2276	14	US-10-137-871-9	; LENGTH: 22
37	118	36.9	2276	14	US-10-140-923-9	; TYPE: PRT
38	118	36.9	2276	14	US-10-141-756-9	; ORGANISM: Artemia
39	118	36.9	2276	14	US-10-141-759-9	US-09-948-495A-4
40	118	36.9	2276	14	US-10-140-805-9	Query Match
41	118	36.9	2276	14	US-10-140-864-9	45.9%; Score 147; DB 10; Length 22;
42	118	36.9	2276	15	US-10-142-426-9	Best Local Similarity 100.0%; Pred. No. 3.7e-06;
43	117	36.6	75	17	US-10-425-11-339798	Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
44	117	36.6	1417	8	US-08-900-230-3	Sequence 3, Appli
45	116.5	36.4	1536	14	US-10-184-664-461	Sequence 461, Appi
					QY	1 MDCKDGCTCAPPDKGAKDCKOCKGCECKSDECKKEKOCSCSDCCH 22

ALIGNMENTS

Search completed: December 20, 2004, 15:09:29

US-09-948-495A-2
; Sequence 2, Application US/09948495A1
Publication No. US200910570A1

GenCore version 5.1.6
Copyright: (c) 1993 - 2004 Compugen Ltd.

On protein - protein search, using sw model

Run on: December 20, 2004, 14:46:34 ; Search time 453.257 Seconds
(without alignments)
117.337 Million cell updates/sec

Title: US-10-797-748-2
Perfect score: 320

Sequence: I MDCKDQCTCAPDCKCAKDC.....KSDEPECKCBKDCCSDSGCH 48

Scoring table: BLOSUM62
Gapop 10.0 , Gapent 0.5

Searched: 6730630 seqs, 1107998698 residues

Total number of hits satisfying chosen parameters: 6730630

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- 1: /cgn2_6/prodata/1/paa/PCTUS_COMB.pep:*
- 2: /cgn2_6/prodata/1/paa/US06_COMBO.pep:*
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- 4: /cgn2_6/prodata/1/paa/US08_COMBO.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	147	45.9	22	33	US-10-797-748-4	Sequence 4, Appl
3	136	42.5	201	18	US-09-417-507-40083	Sequence 40083, A
4	135.5	42.3	69	26	US-10-030-019-A-258	Sequence 258, App
5	125	39.1	124	22	US-09-791-537-90183	Sequence 90183, A
6	125	39.1	4185	27	US-10-158-790-67	Sequence 67, Appl
7	125	39.1	4185	27	US-10-158-790-429	Sequence 429, App
8	124	38.8	58	22	US-09-791-537-190823	Sequence 150823, A
9	121	37.8	66	22	US-09-791-537-40442	Sequence 40442, A
10	119.5	37.3	73	22	US-09-791-537-139193	Sequence 139193, A
11	119.5	37.3	73	22	US-09-791-537-139837	Sequence 139837, A
12	119.5	37.3	1523	27	US-10-158-790-429	Sequence 429, App
13	119.5	37.3	1523	27	US-10-158-790-429	Sequence 429, App
14	119	37.2	371	30	US-10-43-791-537-46358	Sequence 146358, A
15	119	37.2	426	30	US-09-449-902-54143	Sequence 54143, A
16	119	37.2	645	1	PCT-US03-26780-3122	Sequence 3122, App
17	119	37.2	645	1	PCT-US03-26780-3122	Sequence 3123, App
18	118.5	37.0	73	22	US-09-791-537-152253	Sequence 152253, A
19	118.5	37.0	9090	36	US-60-592-191-159	Sequence 169, App
20	118.5	37.0	9091	36	US-60-592-191-170	Sequence 170, App
21	118	36.9	2276	27	US-10-137-871-9	Sequence 9, Appl
22	118	36.9	2276	27	US-10-158-790-9	Sequence 9, Appl
23	117.5	36.7	140	1	PCT-US03-26780-3128	Sequence 3289, App
24	117	36.6	22	30	US-10-42-115-214137	Sequence 339798, A
25	116.5	36.4	1536	27	US-10-176-912-461	Sequence 61, App
26	116.5	36.4	1536	27	US-10-179-524-461	Sequence 461, App
27	116.5	36.4	1536	27	US-10-184-644-461	Sequence 461, App
28	116.5	36.4	1536	27	US-10-184-644-461	Sequence 461, App
29	116	36.2	82	30	US-10-428-115-214137	Sequence 278137, A
30	116	36.2	82	33	US-10-428-115-214137	Sequence 47286, A
31	116	36.2	83	33	US-10-767-701-51725	Sequence 51725, A
32	115.5	36.1	58	22	US-09-791-537-44062	Sequence 44062, A
33	115.5	36.1	73	22	US-09-791-537-90123	Sequence 90123, A
34	115.5	36.1	375	1	PCT-US03-26780-604	Sequence 2604, App
35	115.5	36.1	375	1	PCT-US03-26780-604	Sequence 278137, A
36	115.5	36.1	1524	27	US-10-176-912-421	Sequence 421, App
37	115.5	36.1	1524	27	US-10-184-634-421	Sequence 421, App
38	115.5	36.1	1524	27	US-10-184-634-421	Sequence 421, App

39 115.5 36.1 25712 1 PCT-US01-12836-26

Sequence 26, Appl

40 115.5 36.1 2572 19 US-09-559-001-26

Sequence 26, Appl

41 115.5 36.1 2572 21 US-09-728-403-26

Sequence 26, Appl

42 115.5 36.1 2572 21 US-09-728-403B-26

Sequence 26, Appl

43 115.5 36.1 3296 27 US-10-137-871-369

Sequence 369, App

44 115.5 36.1 3296 27 US-10-158-790-369

Sequence 2987, App

45 115 35.9 2934 1 PCT-US03-26780-2987

Sequence 2987, App

ALIGNMENTS

US-10-797-748-4

Job time : 455.257 secs

Query Match	Score	Length	Best Local Similarity	Score	DB	Length	Matches	Best Local Similarity	Score	DB	Length	Matches	
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Search completed: December 20, 2004, 15:05:23

RESULT 1

US-10-797-748-2

; Sequence 2, Application US/10797748

; GENERAL INFORMATION:

; APPLICANT: Acley, Roger A.

; TITLE OF INVENTION: Metal Binding Proteins and Associated Methods

; FILE REFERENCE: 51302-00002

; CURRENT APPLICATION NUMBER: US/10/797,748

; CURRENT FILING DATE: 2004-03-09

; PRIORITY NUMBER: 09/348,495

; PRIORITY FILING DATE: 2001-09-06

; NUMBER OF SEQ ID NOS: 10

; SEQ ID NO 2

; LENGTH: 48

; SOFTWARE: Patentin version 3.2

; TYPE: PRT

; ORGANISM: Artemia sp.

US-10-797-748-2

Query Match 100.0%; Score 320; DB 33; Length 48;
Best Local Similarity 100.0%; Pred. No. 3e-20; Mismatches 0; Indels 0; Gaps 0;

Matches 48; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 MDCKOGCTCAPCKCAKOCKCGECKSDPCKKECKDSCSOGCH 48

RESULT 2

US-10-797-748-4

; Sequence 4, Application US/10797748

; GENERAL INFORMATION:

; APPLICANT: Acley, Roger A.

; TITLE OF INVENTION: Metal Binding Proteins and Associated Methods

; FILE REFERENCE: 51302-00002

; CURRENT APPLICATION NUMBER: US/10/797,748

; CURRENT FILING DATE: 2004-03-09

; PRIORITY NUMBER: 09/348,495

; PRIORITY FILING DATE: 2001-09-06

; NUMBER OF SEQ ID NOS: 10

; SEQ ID NO 4

; LENGTH: 22

; SOFTWARE: Patentin version 3.2

; TYPE: PRT

; ORGANISM: Artemia sp.

